

**Technical Description**

Coupling for the medical field in POM of USP class VI with the world's most popular profile in this nominal diameter. Above average flow performance for liquid and gaseous media.

Coupling system with single-hand operation. The new type of plastic locking system with handy sleeve considerably expands the applications. The color and mechanical coding of the coupling and plug offers a guarantee for avoiding mix-ups between media when coupling. The coupling is also available straight-through (with no valve).

Working Temperature

-20°C up to +80°C

**Working Pressure****

0-10 bar

** maximum static working pressure with design factor 4 to 1.

0-10 bar

Material

Coupling: POM, USP Class VI, white

Plug: POM, USP Class VI, white

Seals: EPDM USP Class VI

Coupling: POM, USP Class VI, white

Plug: POM, USP Class VI, white

Seals: EPDM USP Class VI

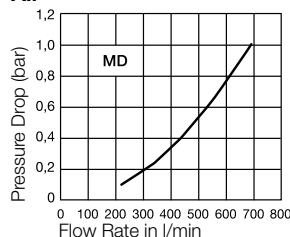
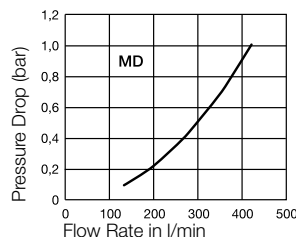
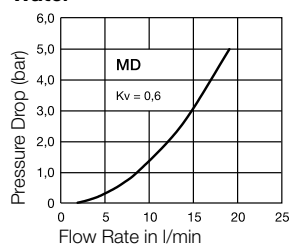
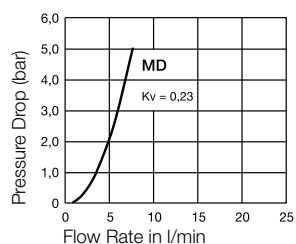
Interchangeability

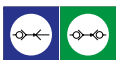
• Rectus 21

Other designs in series 21

The following other designs can be found from page:

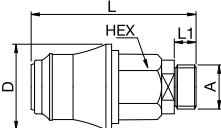
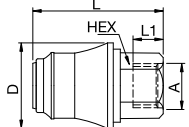
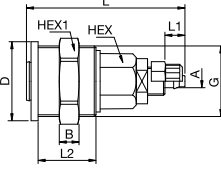
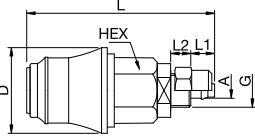
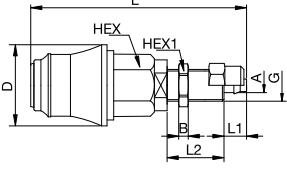
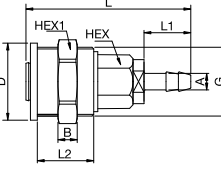
► Brass / Steel	P. 30
► Stainless Steel	P. 192
► Thermoplastic	P. 232
► Safety	P. 270
► Coded Systems	P. 298

Flow diagrams**Air****Air****Water****Water**



Couplings – with valve

Series MD

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	L3 mm	D mm	B mm	G mm	S mm	Color Co- ding Ring	Part Number
 Male Thread	G 1/8	17		50	7			25,5					MD-M51-2MB
	G 1/4	17		50	7			25,5					MD-M51-4MB
 Female Thread	G 1/8	17		50	8			25,5					MD-M51-2FB
	G 1/4	17		50	9			25,5					MD-M51-4FB
 Plastic Hose Connection, Flush Mount	4 x 6 mm	17	27	56	7	20,5		28	7	M 25 x 1			MD-M51-QM6CSP
	6 x 8 mm	17	27	56	7	20,5		28	7	M 25 x 1			MD-M51-QM8CSP
 with Plastic Hose Connection	4 x 6 mm	17		56	7	6		25,5		M 10 x 1			MD-M51-M6CSP
	6 x 8 mm	17		56	7	6		25,5		M 12 x 1			MD-M51-M8CSP
 Panel Mount with Plastic Hose Connection	4 x 6 mm	17	14	68	7	18		25,5	4	M 10 x 1			MD-M51-HM6CSP
	6 x 8 mm	17	17	68	7	18		25,5	4	M 12 x 1			MD-M51-HM8CSP
 Hose Barb, Flush Mount	4 mm	17	27	60	17	20,5		28	7	M 25 x 1			MD-M51-QM4HB
	6 mm	17	27	60	17	20,5		28	7	M 25 x 1			MD-M51-QM6HB



Couplings – with valve

Series MD

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	L3 mm	D mm	B mm	G mm	S mm	Color Co- ding Ring	Part Number
Hose Barb	4 mm	17		60	17			25,5					MD-M51-M4HB
	6 mm	17		60	17			25,5					MD-M51-M6HB
Panel Mount with Hose Barb	4 mm	17	14	74	17	14		25,5	4	M 10 x 1			MD-M51-HM4HB
	6 mm	17	17	74	17	14		25,5	4	M 12 x 1			MD-M51-HM6HB



Plugs – without valve

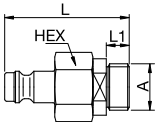
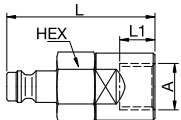
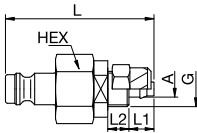
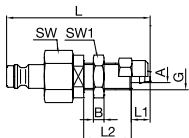
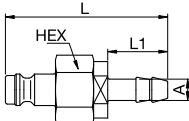
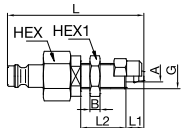
Series MD

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	L3 mm	D mm	B mm	G mm	S mm	Color Co- ding Ring	Part Number
Panel Mount with Plastic Hose Connection	4 x 6 mm	14	14	44	7	18			4	M 10 x 1			MD-M54-HM6CSP
	6 x 8 mm	14	14	44	7	18			4	M 12 x 1			MD-M54-HM8CSP
Hose Barb	4 mm			32	17								MD-M54-M4HB
	6 mm			32	17								MD-M54-M6HB
Panel Mount with Hose Barb	4 x 6 mm	14	14	50	17	14			4	M 10 x 1			MD-M54-HM4HB
	6 x 8 mm	14	17	50	17	14			4	M 12 x 1			MD-M54-HM6HB



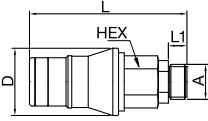
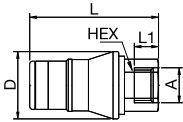
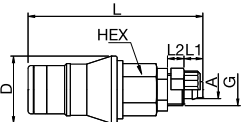
Plugs – with valve

Series MD

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	L3 mm	D mm	B mm	G mm	S mm	Color Co- ding Ring	Part Number
 Male Thread	G 1/8	17		36	7								MD-M52-2MB
	G 1/4	17		38	7								MD-M52-4MB
 Female Thread	G 1/8	17		39	8								MD-M52-2FB
	G 1/4	17		42	10								MD-M52-4FB
 with Plastic Hose Connection	4 x 6 mm	17		42	7	6				M 10 x 1			MD-M52-M6CSP
	6 x 8 mm	17		42	7	6				M 12 x 1			MD-M52-M8CSP
 Panel Mount with Plastic Hose Connection	4 x 6 mm	17		48	7	18			4	M 10 x 1			MD-M52-HM6CSP
	6 x 8 mm	17		52	7	18			4	M 12 x 1			MD-M52-HM8CSP
 Hose Barb	4 mm	17		46	17								MD-M52-M4HB
	6 mm	17		46	17								MD-M52-M6HB
 Panel Mount with Hose Barb	4 mm	17	14	60	17	14			4	M 10 x 1			MD-M52-HM4HB
	6 mm	17	17	60	17	14			4	M 12 x 1			MD-M52-HM6HB

Couplings – with valve

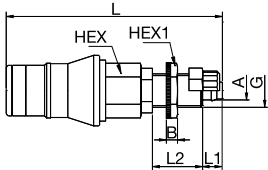
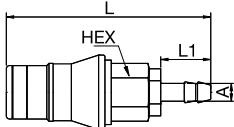
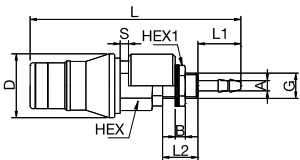
Series MD coded

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	L3 mm	D mm	B mm	G mm	S mm	Color Co- ding Ring	Part Number
 Male Thread	G 1/8	17		59,5	7			25,5				green - 0	MD-M51-2MB-K0
	G 1/8	17		59,5	7			25,5				black - 2	MD-M51-2MB-K2
	G 1/8	17		59,5	7			25,5				brown - 3	MD-M51-2MB-K3
	G 1/8	17		59,5	7			25,5				yellow - 5	MD-M51-2MB-K5
	G 1/8	17		59,5	7			25,5				blue - 6	MD-M51-2MB-K6
	G 1/8	17		59,5	7			25,5				red - 8	MD-M51-2MB-K8
	G 1/4	17		59,5	7			25,5				green - 0	MD-M51-4MB-K0
	G 1/4	17		59,5	7			25,5				black - 2	MD-M51-4MB-K2
	G 1/4	17		59,5	7			25,5				brown - 3	MD-M51-4MB-K3
	G 1/4	17		59,5	7			25,5				yellow - 5	MD-M51-4MB-K5
	G 1/4	17		59,5	7			25,5				blue - 6	MD-M51-4MB-K6
	G 1/4	17		59,5	7			25,5				red - 8	MD-M51-4MB-K8
 Female Thread	G 1/8	17		62,5	9			25,5				green - 0	MD-M51-2FB-K0
	G 1/8	17		62,5	9			25,5				black - 2	MD-M51-2FB-K2
	G 1/8	17		62,5	9			25,5				brown - 3	MD-M51-2FB-K3
	G 1/8	17		62,5	9			25,5				yellow - 5	MD-M51-2FB-K5
	G 1/8	17		62,5	9			25,5				blue - 6	MD-M51-2FB-K6
	G 1/8	17		62,5	9			25,5				red - 8	MD-M51-2FB-K8
	G 1/4	17		48,5	9			25,5				green - 0	MD-M51-4FB-K0
	G 1/4	17		48,5	9			25,5				black - 2	MD-M51-4FB-K2
	G 1/4	17		48,5	9			25,5				brown - 3	MD-M51-4FB-K3
	G 1/4	17		48,5	9			25,5				yellow - 5	MD-M51-4FB-K5
	G 1/4	17		48,5	9			25,5				blue - 6	MD-M51-4FB-K6
	G 1/4	17		48,5	9			25,5				red - 8	MD-M51-4FB-K8
 with Plastic Hose Connection	4 x 6 mm	17		65,5	7	6		25,5		M 10 x 1		green - 0	MD-M51-M6CSP-K0
	4 x 6 mm	17		65,5	7	6		25,5		M 10 x 1		black - 2	MD-M51-M6CSP-K2
	4 x 6 mm	17		65,5	7	6		25,5		M 10 x 1		brown - 3	MD-M51-M6CSP-K3
	4 x 6 mm	17		65,5	7	6		25,5		M 10 x 1		yellow - 5	MD-M51-M6CSP-K5
	4 x 6 mm	17		65,5	7	6		25,5		M 10 x 1		blue - 6	MD-M51-M6CSP-K6
	4 x 6 mm	17		65,5	7	6		25,5		M 10 x 1		red - 8	MD-M51-M6CSP-K8
	6 x 8 mm	17		65,5	7	6		25,5		M 12 x 1		green - 0	MD-M51-M8CSP-K0
	6 x 8 mm	17		65,5	7	6		25,5		M 12 x 1		black - 2	MD-M51-M8CSP-K2
	6 x 8 mm	17		65,5	7	6		25,5		M 12 x 1		brown - 3	MD-M51-M8CSP-K3
	6 x 8 mm	17		65,5	7	6		25,5		M 12 x 1		yellow - 5	MD-M51-M8CSP-K5
	6 x 8 mm	17		65,5	7	6		25,5		M 12 x 1		blue - 6	MD-M51-M8CSP-K6
	6 x 8 mm	17		65,5	7	6		25,5		M 12 x 1		red - 8	MD-M51-M8CSP-K8



Couplings – with valve

Series MD coded

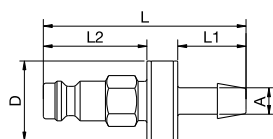
	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	L3 mm	D mm	B mm	G mm	S mm	Color Co- ding Ring	Part Number
 Panel Mount with Plastic Hose Connection	4 x 6 mm	17	14	77,5	7	18		25,5	4	M 10 x 1		green - 0	MD-M51-HM6CSP-K0
	4 x 6 mm	17	14	77,5	7	18		25,5	4	M 10 x 1		black - 2	MD-M51-HM6CSP-K2
	4 x 6 mm	17	14	77,5	7	18		25,5	4	M 10 x 1		brown - 3	MD-M51-HM6CSP-K3
	4 x 6 mm	17	14	77,5	7	18		25,5	4	M 10 x 1		yellow - 5	MD-M51-HM6CSP-K5
	4 x 6 mm	17	14	77,5	7	18		25,5	4	M 10 x 1		blue - 6	MD-M51-HM6CSP-K6
	4 x 6 mm	17	14	77,5	7	18		25,5	4	M 10 x 1		red - 8	MD-M51-HM6CSP-K8
	6 x 8 mm	17	17	77,5	7	18		25,5	4	M 12 x 1		green - 0	MD-M51-HM8CSP-K0
	6 x 8 mm	17	17	77,5	7	18		25,5	4	M 12 x 1		black - 2	MD-M51-HM8CSP-K2
	6 x 8 mm	17	17	77,5	7	18		25,5	4	M 12 x 1		brown - 3	MD-M51-HM8CSP-K3
	6 x 8 mm	17	17	77,5	7	18		25,5	4	M 12 x 1		yellow - 5	MD-M51-HM8CSP-K5
	6 x 8 mm	17	17	77,5	7	18		25,5	4	M 12 x 1		blue - 6	MD-M51-HM8CSP-K6
	6 x 8 mm	17	17	77,5	7	18		25,5	4	M 12 x 1		red - 8	MD-M51-HM8CSP-K8
 Hose Barb	4 mm	17		69,5	17			25,5				green - 0	MD-M51-M4HB-K0
	4 mm	17		69,5	17			25,5				black - 2	MD-M51-M4HB-K2
	4 mm	17		69,5	17			25,5				brown - 3	MD-M51-M4HB-K3
	4 mm	17		69,5	17			25,5				yellow - 5	MD-M51-M4HB-K5
	4 mm	17		69,5	17			25,5				blue - 6	MD-M51-M4HB-K6
	4 mm	17		69,5	17			25,5				red - 8	MD-M51-M4HB-K8
	6 mm	17		69,5	17			25,5				green - 0	MD-M51-M6HB-K0
	6 mm	17		69,5	17			25,5				black - 2	MD-M51-M6HB-K2
	6 mm	17		69,5	17			25,5				brown - 3	MD-M51-M6HB-K3
	6 mm	17		69,5	17			25,5				yellow - 5	MD-M51-M6HB-K5
	6 mm	17		69,5	17			25,5				blue - 6	MD-M51-M6HB-K6
	6 mm	17		69,5	17			25,5				red - 8	MD-M51-M6HB-K8
 Panel Mount with Hose Barb	4 mm	17	14	83,5	17	14		25,5	4	M 10 x 1	1 - 8	green - 0	MD-M51-HM4HB-K0
	4 mm	17	14	83,5	17	14		25,5	4	M 10 x 1	1 - 8	black - 2	MD-M51-HM4HB-K2
	4 mm	17	14	83,5	17	14		25,5	4	M 10 x 1	1 - 8	brown - 3	MD-M51-HM4HB-K3
	4 mm	17	14	83,5	17	14		25,5	4	M 10 x 1	1 - 8	yellow - 5	MD-M51-HM4HB-K5
	4 mm	17	14	83,5	17	14		25,5	4	M 10 x 1	1 - 8	blue - 6	MD-M51-HM4HB-K6
	4 mm	17	14	83,5	17	14		25,5	4	M 10 x 1	1 - 8	red - 8	MD-M51-HM4HB-K8
	6 mm	17	17	83,5	17	14		25,5	4	M 12 x 1	1 - 8	green - 0	MD-M51-HM6HB-K0
	6 mm	17	17	83,5	17	14		25,5	4	M 12 x 1	1 - 8	black - 2	MD-M51-HM6HB-K2
	6 mm	17	17	83,5	17	14		25,5	4	M 12 x 1	1 - 8	brown - 3	MD-M51-HM6HB-K3
	6 mm	17	17	83,5	17	14		25,5	4	M 12 x 1	1 - 8	yellow - 5	MD-M51-HM6HB-K5
	6 mm	17	17	83,5	17	14		25,5	4	M 12 x 1	1 - 8	blue - 6	MD-M51-HM6HB-K6
	6 mm	17	17	83,5	17	14		25,5	4	M 12 x 1	1 - 8	red - 8	MD-M51-HM6HB-K8



Plugs – without valve

Series MD coded

Low Pressure



Hose Barb

Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	L3 mm	D mm	B mm	G mm	S mm	Color Co- ding Ring	Part Number
4 mm			32	17							green - 0	MD-M54-M4HB-K0
4 mm			32	17							black - 2	MD-M54-M4HB-K2
4 mm			32	17							brown - 3	MD-M54-M4HB-K3
4 mm			32	17							yellow - 5	MD-M54-M4HB-K5
4 mm			32	17							blue - 6	MD-M54-M4HB-K6
4 mm			32	17							red - 8	MD-M54-M4HB-K8
6 mm			32	17							green - 0	MD-M54-M6HB-K0
6 mm			32	17							black - 2	MD-M54-M6HB-K2
6 mm			32	17							brown - 3	MD-M54-M6HB-K3
6 mm			32	17							yellow - 5	MD-M54-M6HB-K5
6 mm			32	17							blue - 6	MD-M54-M6HB-K6
6 mm			32	17							red - 8	MD-M54-M6HB-K8
10 mm			32	17							green - 0	MD-M54-M10HB-K0
10 mm			32	17							black - 2	MD-M54-M10HB-K2
10 mm			32	17							brown - 3	MD-M54-M10HB-K3
10 mm			32	17							yellow - 5	MD-M54-M10HB-K5
10 mm			32	17							blue - 6	MD-M54-M10HB-K6
10 mm			32	17							red - 8	MD-M54-M10HB-K8